

Abstract

Valve Assembly for Pressurized Fluid Vessel

5 A valve assembly for a pressurized fluid vessel such as a
propane tank has a housing defining a main fluid
passageway therebetween with a valve seat (734) defined in
the main passageway, a main valve member (742) movable
against the valve seat (734) to block the passageway, an
insert (738) defining an internal chamber within the
10 interior of the housing within which the main valve member
(742) is disposed, a secondary fluid flow passageway
through the insert (738), through a conduit (748)
connected to the main valve body, and through openings
(751) in an end of the conduit (748) facing second ports
15 opening into the vessel, and a secondary valve member
(760) movable to block the openings (751) under the action
of a float (721) on a predetermined fluid level being
reached, thereby exposing the main valve member (742) to a
pressure differential to close the valve.